HC-4411

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County Council of Durham.

BUREAU OF HYGIENE & TROPICAL DISEASE
LIBRARY
26 JUL 1934

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REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE QUARTER ENDED

30th JUNE. 1934.

1. As previously announced in the first print of this report, I regret to record the death on the 24th June of Dr. C. Franks, who was appointed Medical Officer of Health of this county on the 1st May, 1930.

VITAL STATISTICS.

2. The Registrar General's estimate of population for this administrative county for mid-year 1933, which has recently been received, is 917,680, and again shows a decrease compared with the previous year, being 6,920 less than his estimate for mid-year 1932. As in previous years, the Registrar General's estimate for 1933 has been taken as a basis for estimating the mid-year 1934 population, which is 923,210, and has been arrived at by adding the natural increase of population during 1933, *i.e.*, the excess of births over deaths. The same procedure has been adopted in estimating the population of each sanitary district in the administrative county.

3. The vital statistics for the past quarter compare very favourably with those for the previous quarter, the total death-rate being 12·2 per 1,000 population, compared with 14·0 during the previous quarter. The death-rate for the past quarter, however, shows an increase compared with the rate for the corresponding quarter of last year (10·4).

4. The lowest total death-rates during the quarter occurred in the Leadgate (8·2) and Hetton-le-Hole (10·5) urban districts, and in the Stockton (7·1) Darlington (7·7) and Hartlepool (7·7) rural districts; while the districts with the highest mortality statistics were the Barnard Castle (16·8) Bishop Auckland (15·6) and Stanley (15·6) urban districts, and the Barnard Castle (15·2) and Auckland (13·5) rural districts.

5. The infant mortality rate per 1,000 births registered was 72 and shows a very satisfactory decrease compared with the rate for the previous quarter, which was 104 per 1,000 births registered, though it is higher than the rate for the corresponding quarter of last year (62).

6. A slight decrease was recorded in the death-rate from the seven principal zymotic diseases during the quarter, the rate being 0·65 per 1,000 population compared with 0·69 in the preceding quarter.

7. The birth-rate for the quarter was 18·2 per 1,000 population and is the same as that for the preceding quarter.

INFECTIOUS DISEASES.

8. Scarlet fever, although showing a diminution in the number of notifications compared with the previous quarter, continued prevalent throughout the administrative county. During the quarter 1,555 cases were notified, compared with 2,288 during the preceding quarter, and 937 in the June quarter of last year. Twenty-two deaths were registered from this disease during the quarter compared with 37 in the previous quarter.

9. During the quarter 355 cases of diphtheria were notified compared with 469 in the previous quarter and 185 in the corresponding quarter of last year. The deaths registered from this disease numbered 28 and shows an increase of 4 compared with the previous quarter.

10. Only 3 cases of enteric fever were notified during the quarter compared with 91 in the preceding quarter. No deaths were registered during the quarter.

11. There were 12 notifications of cases of puerperal fever and 28 notifications of puerperal pyrexia, compared with 15 and 29 respectively in the previous quarter. During the quarter 12 cases were admitted to hospitals under the county scheme and the services of consultants were utilised in 8 cases.

12. The number of notifications of ophthalmia neonatorum received during the quarter was 22 compared with 31 in the preceding quarter. In-patient hospital treatment under the county scheme was provided in respect of 5 cases.

13. An increase was recorded in the number of cases of cerebro-spinal fever notified from 5 in the previous quarter to 20 during the past quarter. Six deaths were registered compared with 3 in the previous quarter.

14. The number of deaths registered from measles was 55 compared with 48 in the previous quarter ; while the deaths from whooping cough numbered 13 compared with 23. Diarrhœa and enteritis under two years of age was responsible for 33 deaths compared with 24 during the previous quarter.

CLERICAL STAFF.

15. The following members of my clerical staff have been absent from duty during the quarter on account of sickness :—

G. Duff, from 28th May to 2nd June, and from 5th to 16th June inclusive.
W. A. Grainger, from 9th to 19th June inclusive.

and I recommend that they be granted sick leave with salary in accordance with the county arrangement, less National Health Insurance Benefit.

VACCINATION.

16. No. 40 (WINGATE) DISTRICT.—I regret to report the death, on 19th April, 1934 of Dr. W. A. G. Russell, of Somerville, Wingate, Public Vaccinator for this district, which comprises the parishes of Castle Eden, Hutton Henry, Monk Hesledon, Nesbit, Sheraton-with-Hulam, and Wingate (excluding Wheatley Hill Colliery and Wingate Lane). I have appointed, subject to your confirmation and the approval of the Minister of Health, Dr. R. Gordon Russell, of Airlie, Blackhalls, West Hartlepool, as from 1st May, 1934, on the same scale of fees as applied to Dr. W. A. G. Russell, *i.e.*,

Births	1/-				
			Subsequent Cases.		
Primary Vaccination at Home of Patient	6/-	First	5/6	Subsequent	5/-
Do. at Surgery	2/6	do.	2/6	do.	2/6
Re-Vaccination at Home of Patient	6/-	do.	5/6	do.	5/-
Do. at Surgery	2/6	do.	2/6	do.	2/6

* *More than one person vaccinated at the same place within* 24 *hours.*

MILK AND DAIRIES (CONSOLIDATION) ACT, 1915.

17. Return of milk samples submitted by inspectors of weights and measures for bacteriological examination during the quarter ended 30th June, 1934 :—

Total number of samples submitted.	Number in which tubercle bacilli were found.	Number free from tubercle bacilli.	*Number for which report not yet received.
68	—	43	25

* Of the 47 samples outstanding at the end of last quarter, 1 was found to contain tubercle bacilli.

DISEASES OF ANIMALS.

TUBERCULOSIS ORDER, 1925.

18. During the past quarter tuberculous disease was reported on 118 premises, and on inspection disease was found by the veterinary inspectors to exist on 86 of these premises. The total number of animals examined by the veterinary inspectors was 3,211, and of these 13 were reported to be suffering from tuberculosis of the udder ; 1 suffering from tuberculous emaciation, and 79 as having chronic cough and showing definite clinical signs of tuberculosis. The total number of animals slaughtered on account of tuberculosis was 93, and it was found on post-mortem examination that 20 had tuberculosis of the udder, 1 tuberculous emaciation, and 72 proved to be otherwise affected with tuberculosis. Of the total animals inspected, 1,627 were cows in milk ; of these 107 were reported as diseased, and the presence of disease was confirmed in 85 cases by post-mortem examination. During the three months 9 samples of milk were examined for tubercle bacilli, 5 of which were found to be positive.

MILK AND DAIRIES ORDER, 1926.

19. During the quarter the veterinary officers visited 841 farms and examined 8,999 animals in the course of their routine work under the above Order, as a result of which 36 animals were found to be suffering from tuberculosis, and were accordingly slaughtered. Of these slaughtered animals 35 were cows in milk. On post-mortem examination tuberculosis of the udder was found to exist in 9 cases, the remainder being otherwise affected with tuberculosis. These 36 animals are included in the total number shown as having been slaughtered under the Tuberculosis Order.

TREATMENT OF TUBERCULOSIS.

20. I have received the following report from the Central Tuberculosis Medical Officer, and on page 40 will be found a tabulated statement with reference to cases of tuberculosis dealt with during the past quarter :—

(1) The following statement shows the number of cases together with the various forms of treatment recommended during the quarter :—

Treatment.	*New Cases.*	*Old Cases.*	*Total.*
Domiciliary	11	12	23
Dispensary	42	69	111
Sanatorium	226	76	302
Hospital (Surgical)	20	17	37
Home	23	25	48
Ultra Violet Ray	11	24	35

(2) I submit the following statement with regard to surgical appliances supplied to tuberculous patients on the recommendation of the tuberculosis medical officers :—

Case No.	Description of Appliance.	Cost of Appliance.	Amount Contributed by Patient.	Amount payable by the County Council.
		£ s. d.	£ s. d.	£ s. d.
43173	Left walking caliper	2 17 6	0 10 0	2 7 6
46209	Repairs to Thomas' splint	0 13 6	..	0 13 6
46820	Poroplastic jacket	2 5 0	0 10 0	1 15 0
39749	Thomas' hip splint, patten and crutches	2 3 6	..	2 3 6
46682	Thomas' hip splint, patten and crutches	2 3 6	..	2 3 6
46723	Jones' shoe, patten and crutches	1 0 0	0 5 0	0 15 0
34759	Surgical jacket	6 6 0	0 5 0	6 1 0
15887	Surgical boot	4 15 6	..	4 15 6
46014	Patten	0 6 0	..	0 6 0
41950	Walking caliper and pair of crutches	3 9 0	0 10 0	2 19 0
40654	Repairs and adjustments to spinal brace	0 7 6	..	0 7 6
45142	Walking caliper	2 17 6	..	2 17 6
21930	Right surgical boot	4 15 0	..	4 15 0
26645	Right surgical boot	3 12 6	..	3 12 6
39078	Walking caliper	2 17 6	0 10 0	2 7 6
31110	Right surgical boot	1 19 6	..	1 19 6
6242	Crutch	0 6 8	..	0 6 8
39093	Repairs to Thomas' hip splint	0 8 6	..	0 8 6
37074	Pair of rubber crutch shoes	0 2 3	..	0 2 3
		£43 6 5	£2 10 0	£40 16 5

(3) ADMISSIONS TO SANATORIA AND HOSPITALS.—The number admitted to sanatoria and other residential institutions was 260 (including 19 who had previously received institutional treatment) as against 284 in the last quarter, and the total number receiving residential treatment on the 30th June was 558, as against 574 at the end of last quarter. This number includes 28 discharged service men. The distribution of these cases in the several institutions is as follows :—

(4) SANATORIA—TUBERCULOSIS HOSPITALS :—	Males.	Females.
Holywood Hall Sanatorium, Wolsingham	176	—
Sunderland Tuberculosis Hospital	—	26
Stannington Children's Sanatorium	21	79
Helmington Row Tuberculosis Hospital	11	—
Tindale Crescent Tuberculosis Hospital	—	12
Preston Hall Colony	2	—
Earl's House Sanatorium, Durham	78	—
Seaham Hall Sanatorium	—	118
Totals	288	235

(5) GENERAL HOSPITALS :—	Males.	Females.
Children's Hospital, Gateshead	8	5
Royal Infirmary and Children's Infirmary, Sunderland	1	—
Royal Victoria Infirmary, Newcastle-on-Tyne	4	2
Whickham War Memorial Hospital	3	4
Hartlepools Hospital	2	1
Durham County Hospital	1	—
Holmside and South Moor Miners' Welfare Hospital	1	1
Richard Murray Hospital, Blackhill	1	—
Monkwearmouth and Southwick Hospital	1	—
Totals	22	13

(6) DISCHARGES FROM SANATORIA AND HOSPITALS.—The number of persons discharged from sanatoria and hospitals was 280. Of these, 111 were reported "Quiescent" or "Arrested," 102 "Improved," 42 "No material improvement," and 25 died in institutions. Twenty-seven cases left before treatment was completed.

(7) AWAITING ADMISSION TO SANATORIA AND HOSPITALS:—

	Sanatorium.		*Hospital.*
	Pul.	Non-Pul.	
Adult Males	46	8	2
Adult Females	59	—	1
Boys	2	8	—
Girls	2	27	2
Totals	109	43	5

(8) OCCUPATIONAL TREATMENT OF DURHAM COUNTY TUBERCULOUS EX-SERVICE MEN.— There were no tuberculous ex-service men admitted to Preston Hall Training Colony, Aylesford, Kent, during the quarter; none were transferred to the Settlement, and two were receiving treatment on the 30th June. No cases were awaiting admission to the Colony on 30th June.

(9) TRAVELLING EXPENSES have been paid during the quarter to 476 cases.

(10) X-RAY EXAMINATIONS.—During the quarter 212 persons were examined by X-rays.

(11) SHELTERS.—During the quarter 5 shelters were erected as follows:—

North Western district	at Blackhill	1
Central district	at Chester-le-Street, Hetton Downs and New Brancepeth	3
Southern district	at Billingham	1

(12) ATTENDANCES AT DISPENSARIES.—The number of attendances at the dispensaries during the quarter was 5,982, as against 6,357 in the preceding quarter, and the number of persons who attended the dispensaries was 3,108, the corresponding figure for the preceding quarter being 3,386.

(13) VISITS TO PATIENTS.—5,076 visits have been made by the health visitors to patients during the quarter.

(14) VISITS TO EX-SERVICE MEN.—203 visits have been made by the health visitors during the two months.

(15) UNDER SUPERVISION.—5,156 patients were under supervision on the 30th June, including 351 ex-service men.

(16) TREATMENT RECOMMENDED.—A list of all cases recommended sanatorium, dispensary and other forms of treatment during the quarter will be submitted, and I shall be glad if your Committee will approve such recommendations.

(17) DEATHS.—193 deaths from tuberculosis have been reported since the date of my last quarterly report, viz.: Pulmonary, 87 males and 75 females; Non-Pulmonary, 14 males and 17 females.

(18) LOCUM TENENS FOR HOLIDAY DUTY.—With reference to the Minute of the County Council of 19th April, 1934, I have to report that with the approval of the County Medical Officer I have engaged Dr. K. Stocks Brown, of Colwyn Bay, as locum tuberculosis officer during the summer holidays, until the permanent appointment at Jarrow Dispensary is filled, when Dr. Leslie Lyall will take over the holiday duties.

(19) CASE No. 36334 (COXHOE).—This patient died in Stannington Sanatorium on 29th April, 1934. As the family were in very poor financial circumstances and could not afford to pay the cost of the funeral I instructed a local undertaker to make all the funeral arrangements. An account for £7 10s. 0d. has now been received from the undertaker, Mr. William Best, Blackgate, Coxhoe, which I recommend should be paid by the County Council.

TREATMENT OF VENEREAL DISEASES.

TREATMENT CENTRES.

21. (1) STATISTICS.—The following table deals with the work for the three months ended 31st March, 1934 :—

CENTRE.	New Cases.		Ceased to attend before completion of treatment.		Total attendances.		No. of In-Patient days.		No. of doses of 606 substitute used.
	M.	F.	M.	F.	M.	F.	M.	F.	
Darlington	5	5	—	—	320	171	—	14	129
Durham	74	52	29	23	1,430	850	177	—	329
Newcastle	77	26	27	19	1,529	677	53	—	77
Stockton	40	16	12	6	1,597	382	—	—	127
Sunderland	50	24	—	—	1,868	1,037	118	5	351
TOTALS	246	123	68	48	6,744	3,117	348	19	1,013

The above statistics refer to patients residing in the Durham County Administrative Area only.

(2) Travelling expenses amounting to £86 19s. 10d. were paid during the quarter ended 31st March, 1934, to enable necessitous patients to attend the treatment centres.

(3) I have received a request from the Durham Diocesan Moral Welfare Association for the admission of a girl (L.C.) to the Hope Hospital, Leeds. Careful enquiries were made and the case proved to be suitable for admission to the above institution. I recommend that the County Council sanction payment on the terms previously arranged with the Hope Hospital, Leeds.

HEALTH VISITORS.

22. The Superintendent Health Visitor reports as follows :—

(1) Sick Leave.—The following returned to duty on the dates given :—Mrs. Field, April 7th ; Miss I. E. Hall, April 30th. The following were on sick leave on the dates given :—Mrs. Wood, April 5th to May 15th ; Miss Wilson, April 12th to 24th ; Miss Craik, 14th May to 26th ; Mrs. Grundey, 5th May to 16th June. The following have been on sick leave from the dates given :—Miss Lindsley, April 21st ; Miss Nightingale, April 4th ; Miss E. M. Scott, April 4th ; Miss Garbutt, May 7th.

(2) Children Acts, 1908-32.—79 cases were under supervision, and 170 visits were paid during the quarter.

(3) 1,497 mental defectives were under supervision, to whom 1,728 visits were paid during the quarter.

(4) The services of Home Helps were sanctioned in 7 cases during the quarter.

(5) The number of families on milk assistance on 30th June, 1934, was 5,484. (The corresponding number on the 31st March, 1934, was 5,490.)

MIDWIVES ACTS.

23. (1) The following statement shows the midwifery services of the county and its supervision during the quarter :—

Total number of certified midwives in practice (of these 7 are bona-fide)..	306
Number of midwives supervised	171
Number of visits to midwives	333
Number of visits to patients	237
Number of other visits	8
Number of ineffective visits	53
Total number of births registered in the Administrative County	4198
Number of births notified by midwives	2609

(2) The following notifications were received from certified midwives :—

Sending for Medical Help	965
Still-births	73
Death of Mother	15
Death of Child	38
Artificial Feeding	22
Laying out the Dead	8
Liability to be a Source of Infection	22

(3) There were 42 cases of discharging eyes in the practice of midwives and 13 of these were subsequently notified as ophthalmia neonatorum.

(4) Medical aid was sought by midwives in 26 cases because of rise of temperature. Seven of these cases were subsequently notified as puerperal fever and 6 as puerperal pyrexia. The services of a consultant were requisitioned in 1 case, 6 received in-patient hospital treatment, and the services of the emergency nurse were utilised in 1 case.

(5) The inspectors visited 57 cases of albuminuria.

(6) The practice of midwifery by 10 uncertified midwives was reported by the health visitors. One woman was visited and warned.

(7) Eleven additional trained midwives have given notice of their intention to practice in the county area, 13 midwives have notified changes of address within the county, and 1 has removed out of the county.

(8) The Midwives' First Supplemental Roll for 1933 has been received. There are 72 names on the Roll, 11 of whom have given notice of their intention to practise in the county area.

(9) The following is a statement of cases attended during the quarter by midwives appointed by the County Council under the Trained Midwifery Scheme :—

District.	Cases.	Attended as Midwife.	Attended as Maternity Nurse.
Beamish	13	8	5
Birtley	18	13	5
Blaydon	13	8	5
Chilton	14	12	2
Chopwell	14	14	—
Consett	26	24	2
Dipton	22	19	3
Easington Colliery	25	19	6
Fatfield	18	15	3
Hebburn	19	18	1
Hetton	29	20	9
High Spen	9	8	1
Philadelphia	15	6	9
Rowlands Gill	8	7	1
Sherburn	17	16	1
Shotton Colliery	—	—	—
Trimdon	33	33	—

(10) The midwife at Shotton Colliery is still off duty ill.

(11) Midwife No. 82494 has returned to duty.

(12) The Superintendent of the County Nursing Association reports that there are 123 midwives practising under district nursing associations, and that a good standard of work has been maintained, and the equipment found in good order. She also reports that 6 resignations have been received from whole-time nurse-midwives, and that 6 appointments (1 temporary) have been made to fill these vacancies.

DARLINGTON RURAL DISTRICT.

24. Water Supply.—An Inquiry was held on the 1st June by the Ministry of Health into an application by the District Council for sanction to borrow £2,000 for the purpose of making a payment to the Tees Valley Water Board for the provision of a supply of water to the contributory places of Killerby and Summerhouse. The Inquiry was attended by a representative of this department, who reports that there was no opposition to the application, although the attention of the Inspector was drawn to an alternative suggestion. The Inspector of the Ministry of Health was informed of the position of the County Council with regard to their inability to grant any financial assistance. The result of the Inquiry has not yet been received.

RIVERS POLLUTION PREVENTION ACTS.

25. The County Health Inspector reports that :—

(1) Portions of the following rivers and streams have been inspected :—Alwent Beck, Clockburn Beck, Coalford Beck, Coxhoe Beck, Cong Burn, Twizel Burn, Derwent, Browney, Deerness, Old Durham Beck, Rowletch Burn, Dipton Beck, Pont Burn, Stanley Burn, Dene Beck, Beechburn Beck, Crook Beck, Bowburn Beck, Blaydon Beck, Watergate Burn, East Howle Beck, Croxdale Beck. Bishopton Beck, Coundon Beck, Medomsley Beck, Hetton Burn, Rainton Burn, Moores Burn, Rivers Wear, Teams and Tees.

(2) A number of new works of sewerage and sewage disposal schemes are in course of preparation and will be commenced upon the completion of the re-organisation of county districts.

(3) The majority of the sewage disposal works in the county have been inspected during the past quarter.

(4) Pollution by sewage was observed at Skerne Bridge, Stone Bridge, Sedgeletch, Flint Mill, Glebe Sewage Farm, Durham, Blackhouse Housing Estate and Chester-le-Street.

(5) Pollution from gasworks, by-product works, chemical works, tar and coking plants, and sand and gravel works, has been observed in the following watercourses :—Moores Burn, Sedgeletch Beck, Herrington Burn, Derwent, Low Grange Beck, Oakley Beck, Gaunless, Bowburn Beck, Tursdale Beck, and Murton Beck.

(6) Refuse in streams has been observed at Spennymoor, Crook, Craghead, Ferryhill, Rainton Burn, Dairy Lane, Bishop Auckland, Coxhoe, East Howle, and Tudhoe Colliery.

(7) Effluents from the following by-product works have been observed :—

Name of Works.	*Condition of effluent.*	*Name of Works.*	*Condition of effluent.*
Bankfoot	Fair.	New Brancepeth (Ushaw Moor)	Fair.
Bearpark	Improved.	Randolph	Moderate.
Blackbanks Chemical Works	Fair.	Sacriston Coking Plant	Fair.
Bowden Close	Good.	Shotton Colliery	Moderate.
Brancepeth (Willington)	Good.	Stella Gill	Good.
Crook New Chemical Works	Good.	Templetown Tar Works	Good.
Derwent Haugh	Fair.	The Fell	Good.
Fishburn	Improved.	Thrislington	Fair.
Lambton	Moderate.	Weardale Coal and Coke Works	Fair.
Langley Park	Good.		

Solids from Coal Washeries.

Bearpark	Good	Ouston " E " Pit	Fair.
Bowburn	Improved.	Peggy Pit	Moderate.
Dean & Chapter	Moderate.	Randolph	Moderate.
Dean Bank	Fair.	Sacriston & Charlaw	Fair.
Dolly Pit	Fair.	Sherburn Hill	Fair.
Fishburn	Improved.	Thrislington	Fair.
Lambton	Moderate.	Urpeth " C " Pit	Fair.
Langley Colliery	Good.	Waterhouses	Good.
Murton	Fair.	Whiteleas Colliery Washer	Good.

Oils and Liquids from Boilers, etc.

Bearpark Colliery & Brickworks	Fair.	Ouston " E " Pit	Fair.
Eldon Colliery	Fair.	Sherburn Hill Colliery	Fair.
Electric Power Works, Crook	Moderate.	Tudhoe Colliery & Brickworks	Fair.
Lambton Silica Brickworks	Fair.		

Liquids and Wastes from Gas Works.

Bankfoot	Improved.	Houghton-le-Spring	Fair.
Barnard Castle	Good.	Middleton-in-Teesdale	Fair.
Bishop Auckland	Good.	Shotley Bridge	Fair.
Burnhope	Good.	Spennymoor & Tudhoe	Fair.
Chester-le-Street	Good.	Staindrop	Good.
Crook	Improved.	Stanley	Fair.
Dipton	Fair.	Tow Law	Fair.
Durham	Fair.	Tudhoe & Sunderland Bridge	Fair.
Ferryhill	Good.	Willington	Good.
Gainford	Good.		

Trade Effluents and Sand and Gravel Works.

Aycliffe Lime Quarry	Good.	Lintzford Printing Ink Works	Good.
Barmpton Sand & Gravel Works	Good.	Norton Junction Sand & Gravel Works	Fair.
Bishop Auckland Artificial Stone Works	Good	Skerningham Sand & Gravel Works	Good.
Co-operative Tin Plate Works	Good.	Stillington Sand & Gravel Co.	Fair.
Elmford Lead Mines	Fair.	The Sacriston Sand & Gravel Co., Ltd.	Moderate.
Healyfield Lead Works	Good.	Zinc Oxide Works	Good.
Hetton Sand & Gravel Works	Good.		

WEST HARTLEPOOL COUNTY BOROUGH AND HARTLEPOOL MUNICIPAL BOROUGH.

(8) Joint Works of Sewerage :—The suggested alterations to the original scheme have been submitted to the Ministry of Health for acceptance. Para. 23 (7) March, 1934.

DURHAM URBAN DISTRICT.

(9) Sewage Disposal.—Good progress is being made in connection with the alteration and extension of these works. Para. 30 (9) Sept., 1933.

(10) Sewerage :—An extension of the main outfall sewer is in progress in the Dragon Villa and New Durham area to meet the requirements of building developments and the Council's housing schemes.

BISHOP AUCKLAND URBAN DISTRICT.

(11) Works of Sewerage :—Difficulties have been experienced with water and running sand while excavating trenches in the Etherley Lane area, and this has prevented the making of good progress. Para. 23 (8) March, 1934.

CONSETT URBAN DISTRICT.

(12) Howden Burn Wood, Storm Water, Etc. :—Earthwork tanks are in process of construction to allow for a period of sedimentation for storm water prior to discharge to the river.

Para. 23 (11) March, 1934.

(13) Howden Burn :—The condition of this stream is improved. A 15 inch steel pipe has now been laid from the manhole to the storm water tanks in Howden Burn Wood.

CROOK URBAN DISTRICT.

Para. 23 (12) March, 1934.

(14) Crook Gas Works—Pollution of Crook Beck :—All drains have been connected to the Council's sewers ; the gas liquors are destroyed over the generator bars, and other work is in progress to prevent pollution of the stream.

Para. 23 (13) March, 1923.

(15) Bankfoot Chemcial Works—Pollution of Crook Beck :—Work is now in progress at these works to prevent further pollution of the stream.

HETTON-LE-HOLE URBAN AND HOUGHTON-LE-SPRING RURAL DISTRICTS.

Para. 23 (14) March, 1934.

(16) Glebe Sewage Farm and Houghton-le-Spring Sewage Disposal Works :—On the 11th May a meeting of the Joint Committee and Messrs. D. Balfour & Son, Consulting Engineers, was held, and after inspecting the works it was decided that the consulting engineers should proceed with a scheme for works of sewerage and sewage disposal.

Para. 23 (15) March, 1934.

(17) Pollution of the Hetton Burn by Sewage from a Fractured Outfall Sewer :—This work is now completed, and the stream is much improved.

RYTON URBAN DISTRICT.

Para. 23 (17) March, 1934.

(18) Stella Gut :—The condition of this stream is foul and seriously polluted. The Council have promised to give the matter their careful consideration.

SPENNYMOOR URBAN DISTRICT.

Para. 23 (18) March, 1934.

(19) Tudhoe Mill Sewage Disposal Works :—Exceptionally large quantities of tar and grit are discharged into these works and considerable difficulties are experienced in the working of the filters, sludging and tanks. Infiltration from faulty sewers, jointing and subsidence, is in evidence and may be the source of ingress of tar and grit. These works are insufficient for the present volume of sewage, while the sludge drying area is also inadequate.

Para. 23 (19) March, 1934.

(20) Low Grange, Bishop's Close and Red Lion Becks :—The work of laying 100 yards of concrete tubes for covering in a portion of the beck is expected to commence at an early date.

TANFIELD URBAN DISTRICT.

Para. 48 (27) Dec., 1933.

(21) Works of Sewerage and Sewage Disposal :—The Clerk to the District Council wrote on the 14th March last, " I have to inform you the inquiries preparatory to the selection of suitable sites for new sewage disposal works in both wards of the district have been made and other steps taken in connection with the matter."

WHICKHAM URBAN DISTRICT.

Para. 23 (20) March, 1934.

(22) Works of Sewerage :—Suggested alterations to the original scheme have been submitted to the Ministry of Health for approval.

AUCKLAND RURAL DISTRICT.

Para. 23 (22) March, 1934.

(23) Hunwick Sewage Disposal Works :—Repairs and alterations are nearing completion at these works.

Para. 69 (19) Sept., 1925.

(24) Byers Green Sewage Disposal Works :—Overhauling, repairs and reconstruction of filter walls, are in progress at these works.

(25) The Dene Sewage Disposal Works :—The renewing of filtering media and overhauling are in progress at these works.

CHESTER-LE-STREET RURAL DISTRICT.

(26) Pelaw Grange and Brown's Buildings Sewer :—The work of laying the main sewer in this area is making good progress. Para. 23 (24) March, 1934.

(27) Sunniside Sewage Disposal Works :—The effluent from the contact beds is now treated over prepared land for final filtration.

DARLINGTON RURAL DISTRICT.

(28) Sadberge, Works of Sewerage :—The extension of the main outfall sewer to meet the requirements of building estates is nearing completion. Para. 23 (26) March, 1934.

(29) Blackbanks Chemical Works :—Good progress continues to be made with the tanks at these works. Para. 23 (27) March, 1934.

(30) Middleton Hall Mental Hospital Sewage Disposal Works :—A new sewage disposal scheme has been submitted to the committee for consideration. Para. 23 (29) March, 1934.

DURHAM RURAL DISTRICT.

(31) Works of Sewerage and Sewage Disposal, Shadforth and Sherburn :—Alterations to the original schemes have now been submitted to the Ministry of Health for approval. Para. 23 (31) March, 1934.

(32) Sewerage, Framwellgate Moor :—An extension of the main sewer to meet the requirements of building operations is in progress.

(33) Sunderland Bridge Sewage Disposal Works :—Overhauling, renewals and repairs to tanks, inlet works, sprinklers, etc., are in progress.

(34) Pity Me, Sewage Disposal :—Covered concrete tanks are in course of construction here.

(35) Shincliffe Mill Infectious Diseases Hospital Sewage Disposal Works :—Overhauling and repairs to these works are under consideration.

HOUGHTON-LE-SPRING RURAL DISTRICT.

(36) Sedgeletch Sewage Farm :—The consulting engineers are at present preparing the designs, etc., for new sewage disposal works and works of sewerage. Para. 23 (37) March, 1934.

(37) Extension of Sewers :—A new branch sewer is being laid from Junction Row to Hindson's Crescent, which when completed will take the drainage from approximately twenty houses at present draining to separate cesspools.

SEDGEFIELD RURAL DISTRICT.

(38) Chilton and Windlestone Sewage Disposal Works :—The alterations and improvements to the inlet and screening chamber at these works are now completed. Para. 23 (44) March, 1934.

(39) Fishburn Colliery Coal Washer and By-Product Works—Pollution of River Skerne :—Frequent inspections have been carried out and on each occasion the condition of the stream has been reasonably satisfactory. Para. 23 (45) March, 1934.

WEARDALE RURAL DISTRICT.

(40) St. John's Chapel :—The extension of the main outfall sewer from Burnfoot to the extreme west of the village to connect all intermediate houses is under consideration by the district council.

(41) Crawleyside :—Improvements to the sewage disposal works are in progress.

(42) Wolsingham and Other Places (Refuse in Streams) :—Ward's field is now discontinued as a refuse tip, a suitable tip having been obtained at Durham Road Farm near the sewage works. Para. 48 (52) Dec., 1933.

(43) Wolsingham Old Refuse Tip :—This tip is now disused and it has been found necessary to fence off part of the tip at the foot of the Waskerley Burn as a safeguard against unauthorised tipping.

(44) Pollution by sewage was observed in a small runner near Scotch Isle Farm, which was found to be due to rats burrowing to the underground drains, and repairs are now in progress.

MATERNITY AND CHILD WELFARE.

26. The Welfare Medical Officer reports to me as follows :—

(1) WELFARE MEDICAL STAFF.

Sick Leave.—Dr. C. Anderson resumed duty on the 23rd April. With the approval of the Deputy County Medical Officer, her centres were attended by Dr. M. Crosthwaite, the assistant welfare medical officers and myself.

Dr. C. J. Thomson, assistant welfare medical officer, left the service of the County Council on the 14th May.

Dr. E. Patterson was appointed assistant welfare medical officer on the 19th March to fill the vacancy, and will commence duty on the 1st July. With the approval of the Deputy County Medical Officer, Dr. Rodgers is attending her centres from the 15th May to the 30th June inclusive.

Dr. J. M. Jamieson was granted special leave to attend the Maternity and Child Welfare Group Conference held in Glasgow from the 24th to the 26th May inclusive. I attended her centres on those dates.

With the approval of the Deputy County Medical Officer, the following have been appointed to act as locum tenens during the summer leave of the assistant welfare medical officers :—Drs. Crosthwaite, Everdell, Fraser, Gordon, Heugh, McFadden and Rodgers. Dr. E. S. Williamson will be in charge of the office when necessary during my absence.

(2) CENTRES. NEW PREMISES.

Butterknowle.—The first session in the Wesleyan Schoolroom will be held on the 30th August.

Haverton Hill.—The first session in the Wesleyan Schoolroom will be held on the 9th August.

Shildon.—The first session in the Wesleyan Schoolroom, Soho Street, will be held on the 9th August.

Durham.—New premises for this centre have been acquired at 14, Old Elvet. The cost for the re-decoration of the same and necessary equipment is estimated at £125.

I should be glad to have permission for the necessary work to be done as soon as possible.

Temporary Premises, Washington.—The Secretary of the Miners' Hall, Washington, informs me that a new wing is to be added to the present premises. As the Centre is held in these premises it will be necessary during the alterations for the Welfare Centre to be held elsewhere.

I shall be glad to have permission to obtain the use of the old premises at the National Schools during the interim. The new wing when built will supply much improved accommodation for the Centre.

(3) PROPOSED NEW PREMISES.

Whickham.—More suitable premises for this centre can be obtained at the Miners' Welfare Hall. The accommodation consists of a large hall, two rooms, kitchen, and two ante-rooms. The building is centrally heated, and there are fires in the rooms to be used as consulting and weighing rooms, and also in the kitchen. The rental, inclusive of lighting, heating and caretaking, to be the same as that now paid for the present premises, namely £26 per annum. I should be glad to have permission to remove to these premises as soon as possible.

(4) ACTIVITIES OF VOLUNTARY COMMITTEES.

RYHOPE.—New weighing machine.

(5) FEDERATION OF VOLUNTARY WORKERS.

The annual business meeting of the Federation for the election of officers and representatives on the executive was held on the 12th April, at which Mrs. Doncaster, Vice-Chairman, presided.

With the approval of the Deputy County Medical Officer, I propose to attend the Baby Week Conference in Birmingham, from the 3rd to the 5th July, inclusive, as the representative of the Federation, in addition to the delegate who is also sent.

The sum of £140 has already been subscribed to the Federation Convalescent Scheme, and mothers are now being sent away under this scheme.

(6) CASES OF SQUINT.

80 children have been treated by the school oculist during the quarter.

(7) ARTIFICIAL SUNLIGHT CLINICS.

Centre.	No. on books.	Attendances.	Average attendance per session.
Bishop Auckland	100	561	23
Dunston	272	1157	48
Horden	157	815	34
Houghton-le-Spring	180	1109	46

(8) ATTENDANCES OF COUNTY MOTHERS AT BOROUGH WELFARE CENTRES.

Darlington	12	mothers	made	60	attendances.
Gateshead	1	,,	,,	5	,,
South Shields	40	,,	,,	80	,,
Stockton	3	,,	,,	17	,,
Sunderland	1	,,	,,	6	,,
West Hartlepool	10	,,	,,	87	,,
Yarm and Eaglescliffe	23	,,	,,	100	,,

(9) BABIES' HOSPITAL AND MOTHERCRAFT CENTRE, NEWCASTLE-ON-TYNE.

The following child has been admitted to this Hospital :—

Name.	Address.	Admitted.	Dis-charged.	Amount Paid by Parents.	Amount Paid by County Council.
Norma Heslop	West Stanley	25-4-34	5-5-34	2/-	19/- weekly. £3/0/0 operation.

NOTIFICATION OF BIRTHS.

27. The number of births notified in the administrative county during the past quarter under the Notification of Births Acts, as adjusted by transferred notifications, was 4,192, equal to 99·8 per cent. of the births registered. In the County Council Notification of Births Acts area (*i.e.*, the administrative county less the urban districts of Hartlepool, Jarrow and Stockton) the number of births notified was 3,589, equal to 99·7 per cent. of the births registered in that area.

The number of un-notified births reported and enquired into by the county health visitors was 83, viz. :—

46 Doctors failed to notify	71 births.
6 Midwives failed to notify	7 ,,
2 Hospitals failed to notify	2 ,,
2 Nursing Homes failed to notify	2 ,,
1 Public Assistance Hospital failed to notify	1 ,,

ADMISSION OF COUNTY PATIENTS TO MATERNITY HOMES.

28. The following statement shows the number of patients whose applications for admission to maternity homes were approved during the quarter, and a comparison is made with the figures for the three previous quarters and for the corresponding quarter of last year :—

Maternity Home.	Quarter Ended.				
	June, 1933.	Sept., 1933.	Dec., 1933.	Mar., 1934.	June, 1934.
County Maternity Home, Bishop Auckland	75	82	69	91	96
Richard Murray Hospital, Blackhill	68	89	77	80	74
Maternity Home, Sunderland	14	20	26	17	29
Maternity Home, West Hartlepool	4	3	4	7	9
Princess Mary Maternity Hospital, Newcastle-on-Tyne	10	7	13	13	10
Robson Maternity Home, Stockton-on-Tees	—	1	—	—	1

Every care has been taken to see that the patients contributed towards the cost of maintenance in the institutions according to their means.

VITAL STATISTICS.

29. Tabulated statement of quarterly birth-rates, total death-rates, and death-rates from certain specified causes in the administrative county :—

	Quarter ended				
	June, 1933.	September, 1933.	December, 1933.	March, 1934.	June, 1934.
Rates per 1,000 Population.					
Birth-rate	18·9	17·8	15·6	18·2	18·2
Total Death-rate	10·4	9·7	10·7	14·0	12·2
Death-rate from :—					
Zymotic Diseases	0·26	0·54	0·71	0·69	0·65
Smallpox	—	—	—	—	—
Scarlet Fever	0·04	0·03	0·14	0·16	0·10
Diphtheria and Croup	0·03	0·03	0·11	0·10	0·12
"Fevers" (Typhoid, &c.)	0·004	0·004	0·01	0·02	—
Measles	0·03	0·03	0·15	0·21	0·24
Whooping Cough	0·03	0·03	0·06	0·10	0·06
Diarrhœa (under 2 years of age)	0·14	0·41	0·23	0·10	0·14
Phthisis	0·68	0·71	0·63	0·83	0·80
Bronchitis, Pneumonia and Pleurisy	0·78	0·53	0·90	1·56	1·02
Influenza	0·09	0·04	0·13	0·35	0·20
Infant mortality rate per 1,000 births	62	71	83	104	72

30. The following table gives the chief vital statistics of the urban and rural districts in the County during the three months ended 30th June, 1934 :—

	Estimated Population Mid-year, 1934.	Per 1,000 Population. Birth-rate	Death-rate from all causes.	Zymotic death-rate	Infant Mortality rate per 1,000 births	Diseases prevalent during quarter.
Administrative County	923,210	18·2	12·2	0·65	72	
Co. Boro' of Darlington	73,340	15·1	11·5	0·22	72	Scarlet Fever.
Co. Boro' of Gateshead	124,320	18·7	13·7	1·06	72	Do.
Co. Boro' of South Shields	114,100	19·5	13·2	0·42	58	Do.
Co. Boro' of Sunderland	187,400	21·7	11·8	0·68	70	Do.
Co. Boro' of West Hartlepool ..	70,790	20·5	10·4	0·22	49	
URBAN DISTRICTS.						
Durham Borough	16,680	15·8	12·2	0·96	76	
Hartlepool Borough	19,910	20·3	14·7	0·80	79	
Jarrow Borough	31,680	15·8	13·3	0·51	72	
Stockton Borough	67,330	22·0	10·6	0·30	46	Do.
Annfield Plain	16,180	19·1	14·3	1·24	78	Diphtheria.
Barnard Castle	4,030	24·8	16·8	—	40	
Benfieldside	9,170	21·9	10·9	—	60	
Billingham	18,780	20·2	10·9	—	53	
Bishop Auckland.....	12,020	13·6	15·6	1·33	24	
Blaydon	32,440	19·5	15·0	1·11	76	
Brandon and Byshottles	16,730	15·8	14·6	1·20	30	
Chester-le-Street	16,660	14·1	13·2	0·96	51	Do.
Consett	12,370	18·1	12·3	0·97	107	
Crook	11,270	14·5	13·8	0·71	73	
Felling.....	26,970	18·0	12·8	0·30	124	
Hebburn	23,900	19·0	11·7	0·50	105	
Hetton-le-Hole	18,270	23·8	10·5	0·22	83	Do.
Houghton-le-Spring	11,120	20·9	11·1	0·72	103	Do. Do.
Leadgate.....	6,340	20·2	8·2	—	31	
Ryton	14,230	16·9	11·8	0·28	83	
Seaham Harbour	20,350	21·2	11·0	0·60	65	
Shildon	12,420	18·7	13·5	—	86	
Spennymoor	16,080	18·7	13·4	1·49	93	
Stanhope	1,670	9·5	11·9	—	—	
Stanley	24,370	16·8	15·6	0·98	98	Do. Do.
Tanfield	9,250	15·6	11·3	1·73	83	
Tow Law	3,550	15·7	13·5	—	143	
Washington	17,420	21·1	12·2	1·15	43	
Whickham	19,990	17·0	11·4	1·00	83	
Willington	8,850	14·5	14·9	1·36	—	
RURAL DISTRICTS.						
Auckland	52,130	21·0	13·5	0·61	73	
Barnard Castle	10,270	9·7	15·2	0·39	40	
Chester-le-Street	51,000	19·1	12·4	0·94	66	Do.
Darlington	8,880	11·3	7·7	—	80	
Durham	31,430	15·4	12·3	0·38	50	
Easington	90,680	20·2	10·9	0·62	88	Do.
Hartlepool	2,610	18·5	7·7	—	83	
Houghton	27,660	18·5	11·7	0·87	55	Do.
Lanchester	33,450	16·5	10·6	0·60	65	Do.
Sedgefield	36,820	15·0	10·0	0·76	65	Do.
South Shields	21,090	17·1	13·1	0·19	33	
Stockton	6,720	10·7	7·1	—	167	
Sunderland	22,070	11·8	12·3	0·36	154	
Weardale	8,370	15·8	11·5	0·96	61	

County Health Department,
Shire Hall, Durham,
9th July, 1934.

JAS. McINTYRE,
Deputy County Medical Officer.

APPENDIX I.

PREVENTION OF TUBERCULOSIS.

QUARTER ENDED 30TH JUNE, 1934.

Statement of notifications of tuberculosis, in the different urban and rural districts in the county, and of treatment granted to new cases under the County Tuberculosis Scheme.

DISTRICT.	Notifications. Form A (Primary).		New Cases Treated.							
				Treatment Granted.						
	Pulmonary	Non-Pulmonary.	Number of New Cases.	San-atorium.	Hospital.	Dom-iciliary.	Dis-pensary.	Home (Non-insured Cases).	Ultra Violet Ray.	Surgical Appliances
1	2	3	4	5	6	7	8	9	10	11
URBAN.										
Durham Borough	4	1	5	4	—	—	1	—	—	—
Hartlepool Borough	7	4	4	3	1	—	—	—	—	—
Jarrow Borough	16	5	18	5	1	3	5	4	—	—
Stockton Borough	11	10	9	6	—	—	3	—	—	—
Annfield Plain	3	5	5	3	—	—	—	2	—	—
Barnard Castle	2	1	3	1	2	—	—	—	—	—
Benfieldside	5	—	2	2	—	—	—	—	—	—
Billingham	4	4	6	2	—	1	2	1	—	—
Bishop Auckland	5	2	2	2	—	—	—	—	—	—
Blaydon	10	5	12	9	—	—	3	—	—	—
Brandon and Byshottles	4	5	6	4	—	—	2	—	—	—
Chester-le-Street	3	3	8	7	1	—	—	—	—	—
Consett	2	1	3	2	—	—	—	1	—	—
Crook	1	1	5	5	—	—	—	—	—	—
Felling	5	10	10	5	2	—	1	2	—	—
Hebburn	12	5	15	11	—	—	1	2	1	—
Hetton-le-Hole	3	3	5	4	—	—	1	—	—	—
Houghton-le-Spring	4	6	4	2	—	—	1	—	1	—
Leadgate	—	1	1	—	—	—	1	—	—	—
Ryton	1	5	3	2	—	—	1	—	—	—
Seaham Harbour	9	3	4	4	—	—	—	—	—	—
Shildon	2	2	4	3	—	—	1	—	—	—
Spennymoor	10	5	8	5	—	—	2	1	—	—
Stanhope	1	1	1	—	1	—	—	—	—	—
Stanley	7	5	9	4	2	—	1	2	—	—
Tanfield	4	3	6	4	—	—	1	1	—	—
Tow Law	3	1	6	5	1	—	—	—	—	—
Washington	2	2	6	4	—	—	—	1	1	—
Whickham	14	4	9	7	—	2	—	—	—	—
Willington	1	1	1	1	—	—	—	—	—	—
TOTALS	155	104	180	116	11	6	27	17	3	—
RURAL.										
Auckland	12	8	16	12	1	—	3	—	—	—
Barnard Castle	1	—	2	2	—	—	—	—	—	—
Chester-le-Street	17	8	26	19	2	1	1	3	—	—
Darlington	1	3	2	2	—	—	—	—	—	—
Durham	8	11	16	10	—	—	3	—	3	—
Easington	19	16	35	21	2	1	5	1	5	—
Hartlepool	1	—	2	2	—	—	—	—	—	—
Houghton-le-Spring	9	2	13	11	1	—	—	1	—	—
Lanchester	8	2	6	5	1	—	—	—	—	—
Sedgefield	11	5	14	11	1	—	2	—	—	—
South Shields	7	3	9	5	—	3	—	1	—	—
Stockton	—	1	2	2	—	—	—	—	—	—
Sunderland	8	4	8	6	1	—	1	—	—	—
Weardale	1	1	2	2	—	—	—	—	—	—
TOTALS	103	64	153	110	9	5	15	6	8	—
ADMINISTRATIVE COUNTY	258	168	333	226	20	11	42	23	11	—

APPENDIX II.

COUNTY HEALTH VISITORS.

STATEMENT OF WORK ACCOMPLISHED DURING THE QUARTER ENDED 30th JUNE, 1934.

Total number of health visitors on duty at the beginning of April,		91
Do. do. do. end of June		88
Ante-natal—1st visits	793	
Revisits	447	
Births—1st visits	3,740	
Revisits under 1 year	8,503	
,, 1 to 2 years	6,377	
,, 2 to 3 ,,	6,245	
,, 3 to 4 ,,	6,059	
,, 4 to 5 ,,	6,496	
,, 5 to 6 ,,	295	
Uncertified midwives	6	
		38,961
Plus 1,374 attendances at child welfare centres × 19 visits		26,106
Maternity and Child Welfare Total		65,067

TUBERCULOSIS.

Tuberculosis—1st visits	470	
Re-visits	4,542	
		5,012
Plus 386 attendances at dispensaries × 19 visits		7,334
Tuberculosis Total		12,346

SCHOOL WORK.

School children (Home Visits)	5,613	
Schools	1,271	
		6,884
Plus Head to Head inspections days 145 × 19 visits		2,755
Plus 85 attendances at school clinics × 19 visits		1,615
Plus 11 days spent conducting children to special schools		209
School Work Total		11,643

Average daily number of visits per health visitor	19·6
Unclassified visits	3,716
Ineffective visits	3,643
Total number of visits (not including attendances at dispensaries, child welfare centres or ineffective visits)	54,573
Reported to district medical officers of health :—	
Overcrowding	207
Sanitary defects	238
	445

PART-TIME OFFICERS.	Total No. of Visits.	Attendances at Dispensaries.	Attendances at Child Welfare Centres.	Ineffective Visits.
Hartlepool Borough Health Visitors	66	10	—	—
Barnard Castle Urban District Nurse	312	—	7	—
Total	378	10	7	—

APPENDIX III.

STATEMENT AS TO THE POSITION OF HOUSING SCHEMES IN THE ADMINISTRATIVE COUNTY OF DURHAM.

(Information in Cols. 7–10 inclusive supplied by the respective District Councils).

Sanitary District.	Private families and dwellings, Census, 1931.					No. of houses in course of construction.		No. of houses completed since 1919.	
	Private families.	Population in Private families.	Structurally separate dwellings occupied	Rooms occupied	Persons per room.	By Private Persons	By the Local Authority.	By Private Persons	By the Local Authority.
1	2	3	4	5	6	7	8	9	10
URBAN.									
Durham	3956	14669	3148	14849	0·99	—	50	58	270
Hartlepool	4780	19694	4114	16824	1·17	1	—	30	360
*Jarrow	7718	31486	7400	23806	1·32	2	112	98	750
Stockton	16164	65703	14916	69079	0·95	187	—	1724	1851
Annfield Plain	3887	15854	3609	12576	1·26	6	—	256	416
Barnard Castle	1062	3686	1042	5050	0·73	9	—	109	25
Benfieldside	2060	8277	1985	7789	1·06	51	—	171	206
Billingham	4198	17782	4018	18392	0·97	60	64	2271	918
Bishop Auckland	3091	11670	2979	12693	0·92	58	—	136	—
Blaydon	7618	31837	7131	25146	1·27	35	—	614	1082
Brandon and Byshottles	4031	17021	3887	14080	1·21	6	—	35	337
Chester-le-Street	3971	15960	3788	14205	1·12	71	90	581	784
Consett	2875	12132	2691	10420	1·16	26	—	142	711
Crook	2936	11570	2866	10528	1·10	5	—	75	228
Felling	6591	26885	6297	20584	1·31	28	127	242	966
Hebburn	5551	23581	5133	16433	1·43	18	50	174	763
Hetton-le-Hole	4090	17590	3861	14273	1·23	1	—	199	668
Houghton-le-Spring	2544	10330	2423	8946	1·15	9	61	138	494
Leadgate	1441	6367	1365	4732	1·35	4	—	540	166
Ryton	3355	14068	3193	11812	1·19	—	—	363	410
Seaham Harbour	4645	19115	3607	14993	1·27	5	134	560	1164
Shildon	3327	12665	3292	12731	0·99	10	—	68	126
*Spennymoor	3881	15938	3703	14185	1·12	2	—	20	—
*Stanhope	442	1644	437	1814	0·91	—	—	—	—
Stanley	5956	24149	5434	19834	1·22	5	—	216	770
Tanfield	2272	9145	2176	7604	1·20	3	28	88	290
Tow Law	912	3535	898	2962	1·19	1	—	6	—
*Washington	3844	16820	3709	13125	1·28	10	60	187	763
Whickham	5009	20289	4688	17550	1·16	159	64	671	848
Willington	2221	8946	2187	8102	1·10	4	—	38	312
RURAL.									
Auckland	13086	52795	12905	46534	1·13	25	—	284	177
Barnard Castle	2598	10045	2593	11335	0·89	2	—	73	20
Chester-le-Street	12462	52697	12026	43528	1·21	22	—	792	1515
Darlington	2163	8543	2110	10284	0·83	32	—	309	62
Durham	7524	30818	7203	26969	1·14	142	—	639	836
Easington	20068	87190	18276	67366	1·29	297	124	3600	2518
Hartlepool	760	3269	743	3601	0·91	10	—	76	—
Houghton-le-Spring	6539	27165	6316	22536	1·21	12	22	485	808
Lanchester	7676	32809	7451	26894	1·22	15	—	932	838
Sedgefield	7991	34235	7769	30188	1·13	38	120	542	880
South Shields	5073	20133	4817	19737	1·02	14	—	1528	725
Stockton	1615	6466	1601	8266	0·78	18	—	202	—
Sunderland	4819	21231	4352	16137	1·32	8	50	131	600
Weardale	2266	8348	2264	8822	0·95	9	—	44	20
Totals	219068	904152	206403	787314	1·15	1420	1156	19447	24677

* No reply received this Quarter.

APPENDIX IV.

BACTERIOLOGICAL EXAMINATIONS.

Table giving particulars of specimens sent for examination during the quarter ended 30th June, 1934, in accordance with the arrangements made between the County Council and the Durham College of Medicine :—

District.	Enteric Fever.									Diphtheria.			Tuberculosis.		Tuberculosis.*		Miscellaneous.†		
	Typhoid.			Paratyphoid.															
				A.			B.												
	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Positive.	Negative.	Positive.	Negative.	Inconclusive.
URBAN.																			
Durham Borough	..	..	..	..	..	..	..	..	..	1	3	..	1	1	..	1	..	..	..
Hartlepool Borough	..	..	..	..	..	..	..	..	..	..	2	..	..	..	4	7	..	..	..
Jarrow Borough	..	..	..	..	..	..	..	..	..	3	13	..	3	8	4	10	..	..	..
Stockton Borough	..	..	..	..	..	..	..	..	..	..	1	..	8	39	3	73	..	..	..
Annfield Plain	..	1	..	..	1	..	..	1	..	4	13	1	3	5	2	4	..	..	..
Barnard Castle	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	..	..
Benfieldside	..	..	..	..	..	..	..	..	..	4	3	1	..	..	1	2	..	..	..
Billingham	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	26	..	..	..
Bishop Auckland	..	..	..	..	..	..	..	..	..	..	2	..	..	2	1	8	3	7	..
Blaydon	..	..	..	..	..	..	..	..	..	..	4	2	1	9	2	17	..	..	..
Brandon and Byshottles	..	..	..	..	..	..	..	..	..	10	8	..	..	4	2	12	..	..	..
Chester-le-Street	..	1	..	..	1	..	1	..	..	9	12	..	1	6	..	4	..	..	..
Consett	..	..	..	..	..	..	..	..	..	13	13	..	2	1	..	2	..	..	..
Crook	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	5	..	..	..
Felling	..	..	..	..	..	..	..	..	..	1	2	..	..	4	2	10	..	1	..
Hebburn	..	..	..	..	..	..	..	..	..	2	10	2	3	5	3	9	..	..	..
Hetton-le-Hole	..	..	..	..	..	..	..	..	..	..	6	..	1	3	1	6	..	..	..
Houghton-le-Spring	..	..	..	..	..	..	..	..	..	9	11	1	..	3	4	2	..	..	..
Leadgate	..	..	..	..	..	..	..	..	..	2	3	2	..	1	..	1	..	..	..
Ryton	..	1	..	..	1	..	..	1	..	1	1	..	..	7	..	1	..	..	..
Seaham Harbour	..	..	..	..	..	..	..	..	..	..	1	..	1	4	1	9	..	..	..
Shildon	..	..	..	..	..	..	..	..	..	..	2	..	1	2	1	1	..	..	..
Spennymoor	..	..	..	..	..	..	..	..	..	..	1	..	4	8	3	5	..	..	..
Stanhope	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stanley	..	..	..	..	..	..	..	..	..	..	4	..	2	4	2	5	..	..	..
Tanfield	..	..	..	..	..	..	..	..	..	1	1	..	1	1	1	6	..	..	..
Tow Law	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	3	..	..	..
Washington	..	1	..	..	1	..	..	1	..	7	8	1	3	12	..	3	..	..	..
Whickham	..	..	..	..	..	..	..	..	..	4	8	1	4	9	4	12	..	..	..
Willington	..	..	..	..	..	..	..	..	..	..	1	..	1	4	..	..	..	..	..
RURAL.																			
Auckland	..	..	..	..	..	..	..	..	..	2	9	3	5	10	23	26	..	..	..
Barnard Castle	..	..	..	..	..	..	..	..	..	..	3	1	..	3	..	1	..	..	..
Chester-le-Street	..	..	..	..	..	..	..	..	..	4	8	..	1	17	11	30	..	1	..
Darlington	..	..	..	..	..	..	..	..	..	..	2	..	..	2	..	2	..	..	..
Durham	..	..	..	..	..	..	..	..	..	1	6	..	2	10	6	16	..	1	..
Easington	..	1	..	..	1	..	..	1	..	3	7	..	4	11	11	68	..	..	..
Hartlepool	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Houghton-le-Spring	..	..	..	..	..	..	..	..	..	2	1	..	..	2	6	12	..	..	..
Lanchester	..	2	..	..	2	..	..	2	..	17	17	5	..	3	1	11	..	..	..
Sedgefield	..	..	..	..	..	..	..	..	..	5	4	1	2	10	2	8	..	..	..
South Shields	..	..	..	..	..	..	..	..	..	..	2	..	1	5	2	6	..	..	..
Stockton	..	..	..	..	..	..	..	..	..	..	2	..	..	1	1	3	..	..	..
Sunderland	..	..	..	..	..	..	..	..	..	2	7	..	..	15	33	12	..	..	..
Weardale	..	3	..	..	3	..	..	3	..	..	1	..	..	1	..	1	..	..	..
Administrative County	..	10	..	..	10	..	1	9	..	107	206	21	56	237	139	440	3	10	..

* These are specimens taken at County Dispensaries, Hospitals and Sanatoria.

† This section is comprised of examinations receiving the special approval of the County Medical Officer for Hæmolytic Streptococci, Cerebro Spinal fluid, Faeces and Pleural Effusion.

APPENDIX V.

Table giving the number of cases of infectious diseases notified in each sanitary district during the quarter ended 30th June, 1934.

	Smallpox.	Scarlet Fever.	Diphtheria.	Enteric Fever.	Puerperal Fever.	Puerperal Pyrexia.	Ophthalmia Neonatorum.	Erysipelas.	Pneumonia.	Malaria.	Dysentery.	Acute Polio-Encephalitis.	Cerebro Spinal Fever.	Encephalitis Lethargica.	Acute Polio-Myelitis.	*Chickenpox.
Urban Districts.																
Durham Borough	—	10	4	—	1	—	—	2	—	—	—	—	—	—	—	—
Hartlepool Borough	—	9	1	—	—	—	—	3	3	—	—	—	1	—	—	—
Jarrow Borough	—	11	5	—	—	—	—	11	28	—	—	—	—	1	—	—
Stockton Borough	—	159	5	—	2	1	3	9	36	—	—	—	—	—	—	—
Annfield Plain	—	26	38	—	—	—	1	1	5	—	—	—	—	—	—	—
Barnard Castle	—	4	—	—	—	—	1	—	—	—	—	—	—	—	—	—
Benfieldside	—	22	10	—	—	3	—	3	3	—	—	—	—	—	—	—
Billingham	—	35	5	—	1	—	2	1	14	—	—	—	—	—	—	—
Bishop Auckland	—	3	—	—	2	1	—	2	—	—	—	—	—	—	—	—
Blaydon	—	40	3	—	—	2	1	7	11	—	—	—	—	—	—	—
Brandon and Byshottles	—	32	13	—	—	2	—	1	2	—	—	—	1	—	—	—
Chester-le-Street	—	56	7	—	—	—	1	3	4	—	—	—	—	—	—	—
Consett	—	28	9	—	—	—	—	1	3	—	—	—	1	—	—	—
Crook	—	10	1	—	—	1	—	2	2	—	—	—	—	—	—	—
Felling	—	35	1	—	—	—	—	4	9	—	—	—	—	—	—	—
Hebburn	—	26	2	—	—	—	2	8	25	—	—	—	1	—	—	—
Hetton-le-Hole	—	47	1	—	—	1	—	4	10	—	—	—	—	—	—	—
Houghton-le-Spring	—	91	45	—	—	—	1	2	9	—	—	—	—	—	—	—
Leadgate	—	12	5	—	—	—	—	—	—	—	—	—	1	—	—	—
Ryton	—	12	1	—	—	1	—	1	2	—	—	—	—	—	—	—
Seaham Harbour	—	38	—	—	—	—	—	3	9	—	—	—	1	—	—	—
Shildon	—	4	3	—	—	2	—	4	1	—	—	—	—	—	—	—
Spennymoor	—	4	—	—	—	1	1	4	5	—	—	—	—	—	—	—
Stanhope	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—
Stanley	—	48	53	1	1	—	1	6	3	—	—	—	1	—	—	—
Tanfield	—	32	18	—	—	1	—	4	3	—	—	—	—	—	—	—
Tow Law	—	4	—	—	1	—	—	1	4	—	—	—	—	—	—	—
Washington	—	36	3	—	—	—	—	3	5	—	—	—	2	1	—	—
Whickham	—	36	6	—	—	2	1	4	10	—	—	—	—	—	—	30
Willington	—	8	—	—	—	—	—	1	5	—	—	—	—	—	—	1
Rural Districts.																
Auckland	—	34	7	—	—	1	2	3	11	—	—	—	1	—	—	—
Barnard Castle	—	20	—	—	—	—	—	—	1	—	—	—	—	—	—	—
Chester-le-Street	—	118	25	—	1	2	1	11	26	1	—	—	2	1	—	—
Darlington	—	6	—	—	—	—	1	3	2	—	—	—	—	—	—	2
Durham	—	48	1	—	—	—	—	1	3	—	—	—	—	—	—	—
Easington	—	183	29	—	1	3	—	14	40	—	—	—	—	1	—	—
Hartlepool	—	4	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Houghton	—	44	3	—	1	1	—	8	14	—	—	—	—	—	—	—
Lanchester	—	82	27	1	1	1	1	7	12	—	—	—	1	—	—	—
Sedgefield	—	50	19	—	—	1	—	4	8	—	—	—	5	—	—	—
South Shields	—	16	—	—	—	—	1	6	7	—	—	—	—	—	—	—
Stockton	—	10	—	—	—	—	—	—	5	—	—	—	—	—	—	—
Sunderland	—	26	4	1	—	1	1	12	18	—	—	—	—	—	—	—
Weardale	—	6	—	—	—	—	—	—	4	—	—	—	1	—	—	—
Administrative County	—	1555	355	3	12	28	22	164	364	1	—	—	20	4	—	33

* Not notifiable throughout the whole administrative county.

APPENDIX VI.

TABLE OF ATTENDANCES OF MOTHERS AND INFANTS AT CHILD WELFARE CENTRES.

CENTRES.	No. on Books.				Attendances.								Consultations.							
					Number.				Average per Session.				Number.				Average per Session.			
		Children.				Children.				Children.				Children.				Children.		
	Expectant Mothers.	Under 1 year.	Between 1—3 years.	Between 3—5 years.	Expectant Mothers.	Under 1 year.	Between 1—3 years.	Between 3—5 years.	Expectant Mothers.	Under 1 year.	Between 1—3 years.	Between 3—5 years.	Expectant Mothers.	Under 1 year.	Between 1—3 years.	Between 3—5 years.	Expectant Mothers.	Under 1 year.	Between 1—3 years.	Between 3—5 years.
Annfield Plain	59	152	166	91	120	417	318	108	9	14	11	3	120	417	318	108	9	14	11	3
Barnard Castle	5	33	66	—	—	106	221	—	—	15	32	—	—	68	105	—	—	10	15	—
Billingham	63	138	163	160	96	517	431	294	16	29	24	16	96	277	214	149	16	15	12	9
Birtley	62	152	163	104	95	386	261	115	8	15	10	4	95	384	260	114	8	15	10	4
Bishop Auckland	96	133	162	118	173	481	390	144	13	13	11	4	173	432	364	129	13	12	11	4
Blaydon	54	100	139	70	108	275	280	114	18	14	14	5	108	275	280	114	18	14	14	5
Boldon	35	88	86	18	29	353	184	12	6	21	10	1	29	336	177	12	6	20	10	1
Brandon	17	98	110	58	26	319	263	104	4	23	19	7	26	319	263	104	4	23	19	7
Burnhope	7	25	36	9	9	100	92	18	2	17	15	3	9	99	90	18	2	17	15	3
Burnopfield	8	39	60	37	16	80	98	46	3	7	8	4	16	80	98	46	3	7	8	4
Butterknowle	4	20	26	13	7	46	39	11	1	8	6	2	7	46	39	11	1	8	6	2
Castletown	4	30	34	29	5	95	59	54	1	19	12	11	5	84	54	49	1	16	11	10
Chester-le-Street	53	113	188	60	79	399	349	82	13	15	13	4	79	396	347	82	13	15	13	4
Chilton	9	39	60	23	12	162	169	54	2	12	12	4	12	162	167	54	2	12	12	4
Chopwell	45	73	73	62	70	286	162	101	10	11	6	4	70	263	155	92	10	10	6	4
Cockfield	8	25	39	10	4	69	45	2	—	7	5	—	4	69	45	2	—	7	5	—
Consett	45	178	142	117	63	534	212	83	11	18	7	3	63	534	212	83	11	18	7	3
Coundon	25	89	131	70	27	254	322	123	5	13	17	7	27	254	321	121	5	13	17	7
Coxhoe	15	83	75	26	21	288	142	40	3	21	10	3	21	276	133	40	3	20	9	3
Craghead	19	60	52	26	29	144	62	24	6	15	6	2	29	141	62	23	6	15	6	2
Crook	54	115	143	75	74	301	323	102	12	16	18	6	74	293	322	102	12	16	18	6
Dunston	36	98	84	45	43	255	154	75	7	14	9	4	43	255	154	75	7	14	9	4
Durham	74	170	127	74	112	538	204	113	9	17	7	4	112	511	188	108	9	16	6	4
Easington	25	129	101	70	35	372	158	88	6	19	8	4	35	330	152	79	6	16	8	4
Eighton Banks	—	34	28	18	—	94	58	23	—	16	10	4	—	92	55	23	—	15	9	4
Esh Winning	23	69	67	49	37	170	121	78	6	14	10	7	37	169	121	78	6	14	10	7
Felling	98	183	258	141	179	451	568	189	13	38	22	7	179	433	568	189	13	36	22	7
Ferryhill	56	96	135	56	96	288	215	60	19	17	13	3	96	280	214	60	19	17	13	3
Gainford	9	7	23	10	5	12	33	12	1	2	6	2	5	12	33	12	1	2	6	2
Grange Villa	43	128	150	41	67	425	308	56	11	21	15	3	67	419	305	56	11	21	15	3
Haverton Hill	31	71	106	96	36	340	299	197	6	17	15	10	36	239	212	152	6	12	10	8
Hetton	39	156	155	73	59	469	229	101	10	26	13	5	59	463	228	100	10	26	13	5
Horden	84	160	163	166	109	319	185	137	9	13	8	6	109	304	178	135	9	12	8	6
Houghton-le-Spring	107	207	257	148	182	589	398	154	14	16	11	4	182	587	397	153	14	16	11	4
Lanchester	4	27	25	13	6	107	50	19	1	15	7	3	6	107	50	19	1	15	7	3
Langley Park	9	45	48	28	11	136	70	35	2	11	6	3	11	131	66	34	2	11	5	3
Marley Hill	2	16	27	13	8	34	18	15	1	6	3	2	8	34	18	15	1	6	3	2
Middleton-in-Teesdale	7	17	23	10	7	27	29	13	1	5	5	2	7	27	29	13	1	5	5	2
Middleton-St.-George	1	19	29	29	1	62	68	56	—	8	8	7	1	29	25	21	—	6	5	4
Murton	55	105	139	77	59	216	180	52	10	12	10	3	59	174	168	51	10	10	9	3
New Herrington	28	74	104	42	35	268	208	46	6	22	17	4	35	265	208	46	6	22	17	4
Rowlands Gill	46	87	109	65	68	268	246	114	11	13	12	6	68	252	229	102	11	13	12	6
Ryhope	22	59	117	52	29	190	205	54	4	15	16	4	29	164	184	53	4	13	14	4
Ryton	37	103	105	34	70	290	211	46	10	15	11	3	70	288	210	45	10	15	11	3
Sacriston	24	84	93	68	37	295	206	124	5	16	11	6	37	255	172	105	5	15	10	6
Seaham Harbour	80	247	292	164	103	691	521	159	9	19	14	4	103	676	514	157	9	18	14	4
Sedgefield	10	23	27	15	7	28	30	14	1	5	5	2	7	28	30	14	1	5	5	2
Sherburn	26	39	45	20	43	115	87	26	7	19	14	5	43	110	110	87	7	18	14	5
Sherburn Hill	12	24	35	23	15	96	101	43	3	16	17	7	15	90	96	43	3	15	16	7
Shildon	48	143	197	96	70	486	381	143	12	16	12	5	70	424	353	121	12	14	11	4
Shotley Bridge	10	79	80	34	10	183	127	53	2	10	7	3	10	178	127	53	2	10	7	3
Shotton	36	90	116	85	69	228	172	78	12	11	9	4	69	205	170	78	12	10	9	4
Silksworth	20	71	114	78	21	278	310	144	4	14	16	7	21	247	284	121	4	13	14	6
South Hylton	10	20	42	25	13	49	91	27	3	10	18	5	13	42	76	25	3	8	15	5
South Moor	—	66	79	34	—	279	164	52	—	15	9	3	—	261	159	51	—	14	9	3
Spennymoor	81	198	236	96	149	529	448	180	11	14	11	5	141	515	439	177	11	14	11	5
Stanhope	3	18	20	11	5	43	29	20	1	11	7	5	5	43	29	20	1	11	7	5
St. John's Chapel	3	13	20	11	5	24	25	13	1	4	4	2	5	20	18	12	1	3	3	2
Swalwell	13	43	42	22	37	113	105	27	6	9	9	2	37	113	105	27	6	9	9	2
Tanfield Lea	32	40	64	36	42	113	128	37	6	9	11	3	42	113	128	37	6	9	11	3
Thornley	12	57	33	15	24	185	57	21	4	15	5	2	24	173	54	21	4	14	5	2
Tow Law	12	41	61	32	14	105	148	48	4	13	19	6	14	104	144	47	4	13	18	6
Trimdon	34	77	60	26	70	244	119	29	10	18	8	2	70	227	114	29	10	16	8	2
Washington	61	170	166	120	76	544	342	154	13	27	17	8	76	541	341	153	13	27	17	8
West Auckland	27	83	114	70	23	267	279	114	4	13	14	6	23	266	279	114	4	13	14	6
West Stanley	55	136	152	81	84	396	259	86	6	18	12	4	84	393	258	86	6	18	12	4
Wheatley Hill	12	54	22	16	30	91	47	19	5	7	4	2	30	88	47	19	5	7	4	2
Whickham	17	35	33	9	19	119	88	9	3	20	14	2	19	119	86	9	3	20	14	2
Whitburn	12	29	31	9	9	82	32	12	2	14	5	2	9	76	30	10	2	12	5	2
Willington	20	80	77	35	22	220	150	63	4	18	13	5	22	208	140	59	4	17	12	5
Wingate	29	90	95	29	43	268	177	32	6	14	10	2	43	264	176	32	6	14	10	2
Winlaton	60	95	118	72	84	246	224	114	14	14	12	6	84	231	202	101	14	13	12	6
Witton Park	29	48	63	46	39	159	108	58	13	17	12	7	39	152	108	58	13	17	12	7
Wolsingham	2	3	23	6	3	9	32	4	1	2	8	1	3	9	32	4	1	2	8	1
Wooley Terrace	11	18	37	13	3	68	100	22	—	6	8	2	3	67	100	22	—	6	8	2
Totals	2324	6057	7081	3923	3486	18085	13724	5289	7	15	11	4	3478	17008	12916	4903	7	14	11	4

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